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CPY - EAGL-N

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IC - C04B35/80 ; F16J15/34

MC - L02-F03

PA - (EAGL-N) EAGLE KOGYO KK

PN - JP11230365 A 19990827 DW199945 F16J15/34 004pp

PR - JP19980046365 19980213

XA - C1999-156354

XIC - C04B-035/80 ; F16J-015/34

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AB - JP11230365 NOVELTY - The sliding surface (c) of the slide material is made of silicon carbide. A toughness providing material (b) such as titanium boride, is dispersed in the slide material. Dimple (d) having diameter of 50-1000  $\mu$ m, is formed as a regular sequence pattern on the slide material.

- USE - For sealing rotating shaft against leakage of fluids.

- ADVANTAGE - Prevents formation of crack on sliding surface effectively. Provides stabilized fluid film on sliding surface and improves sliding property. DESCRIPTION OF DRAWING(S) - The figure shows enlarged partial sectional view of the sliding surface of slide material. (b) Toughness providing material; (c) Sliding surface; (d) Dimple.

- (Dwg.1/4)

IW - SLIDE MATERIAL FLUID SEAL ROTATING SHAFT SLIDE SURFACE HARD MATERIAL

DISPERSE TOUGH MATERIAL REGULAR FORMING DIMPLE SPECIFIED DIMENSION

IKW - SLIDE MATERIAL FLUID SEAL ROTATING SHAFT SLIDE SURFACE HARD MATERIAL

DISPERSE TOUGH MATERIAL REGULAR FORMING DIMPLE SPECIFIED DIMENSION

NC - 001

OPD - 1998-02-13

ORD - 1999-08-27

PAW - (EAGL-N) EAGLE KOGYO KK

TI - Slide material for fluid seal of rotating shaft - has sliding surface provided with hard material dispersed along with toughness providing material, and having regularly formed dimples of specified dimension